Sea Viking 2004 Experiment Design Working Group #2 Backbrief

to Col King

10 June 2004

Purpose

- Review objectives
- Establish CTF planning requirements
- Develop a comprehensive POA&M
- Identify Issues

Guidance from ELS

1. Sea-based C2 and relationship to CTF
2. Future Fires Coordination in JFEO
3. Information Operations
4. Distributed Operations
5. Forward presence / regional engagement JFEO contributions
6. Force flow & sustainment requirements

- ***Proposed AWE objectives flowed from discussions at Capabilities Seminar, Senior Mentor Refinement, and discussions at the Executive Level Seminar***

- ***All are nested within the CMC-approved SV04 Campaign Objectives***

USMC Objectives

1. Explore the organizations, processes and technology to conduct sea-based C2 in the 2015+ timeframe
2. Explore the organizations, processes and technology to coordinate fires (lethal/non-lethal, kinetic/non-kinetic), maneuver and effects during JFEO in the 2015+ timeframe
3. Examine how the CTF plans, executes and assesses information operations
4. Examine the concept of distributed ground operations in support of JFEO
5. Examine how the RCC shaping efforts (DIME) can be leveraged / integrated by a CTF to conduct JFEO
6. Examine the timelines and lift requirements for deployment, employment and sustainment of future joint forces and equipment

USJFCOM Objectives

1. Inform and refine JFEO and MCO Concept Papers
   - (2) Identify specific capabilities required to provide joint tailorable, modular force packages that can rapidly respond from global distances to meet joint forcible entry operational requirements in the context of SECDEF memo dated 18 Aug 03, Subj: Operational Availability Action Items (10-30-30)
   - (1) Assess capability set required to overcome an adversary's robust anti-access efforts
   - (4) Assess the ability to overwhelm the enemy by simultaneous joint forcible entry operations
   - (5) Examine the mix of basing options to achieve strategic mobility, to include forward based, Seabased and CONUS based forces, that would enable distributed operations to attack from multiple directions and dimensions
   - (3) Examine the attributes of a SJTF that would enhance the ability to command and control a joint forcible entry force; assess the capabilities required to "operationalize" a SJTF
   - (6) Assess key strategic and intratheater lift requirements to conduct joint forcible entry with the expectation of less reliance on fixed airfields and seaports and significantly reduced RSOI "footprints"

USJFCOM Objectives cont'd

2. Inform the Joint Sea Basing (JSB) component of the Joint Force Projection & Sustainment (JFP&S) Concept by assessing/evaluating:
    - (1) Joint C2 capabilities/architectures integrating all forces in the JOA including those associated with the JSB
    - (4) Capabilities required of 2015+ JSB platforms & connectors to enable joint/multinational/inter-agency interdependence/interoperability
    - (2) JSB command relationships (role of JFMCC, designation of JSB commander/coordinator, combined logistics commander, etc)
    - (5) JSB force protection requirements (integration of land, maritime, and air/space based protection assets – "Joint Shield")
    - (6) JSB as combined "operational support base" (sustainment, mobility, maintenance, medical, reconstitution, C2, etc)
    - (3) JSB capability to rapidly combine/reconstitute force capabilities across Services, Agencies, Multi-national partners
    - (7) JSB contribution to ability of joint force to effectively "sense, adapt, and respond" to emerging opportunities (operations and logistics)
    - (8) Integration of JSB into a broader "global adaptive power projection system" of adaptive basing, global C2, etc.

Army Objectives

- **Concept Development**
  - **Exercise and verify Joint interdependence through joint command and control, joint fires, focused logistics, joint ISR, joint SOF, etc. (especially service-unique or Title X-mandated services)**
  - **Identify gaps between Naval concepts and Army concepts for future resolution**
  - **Insure the employment of all Army forcible entry forces (airborne and air assault, Stryker and FCS-equipped Units of Action) is consistent with Joint and Army Future Force Concepts**
  - **Employ and sustain Army forces from Sea Base and test other initiatives such as the Afloat Forward Staging Base and the Army Regional Flotilla**
- **Materiel and Technology**
  - **Identify additional capabilities necessary to conduct JFEO (add to the list already in the JFEO JIC, Section 4)**
  - **Exercise emerging mobility enhancement technologies (TSV, HSV, SDHSS, AMT, HVTOL/SSTOL, etc.)**

Navy Objectives

1. Within the context of a joint forcible entry operation, exercise and assess how the CFMCC staff:
   - Interacts with assigned or attached forces (Objective C 1);
   - Operates as a distributed staff in support of execution and planning processes (Objective C2);
   - Uses the MTP to support CFMCC planning (Objective C 3);
   - Interacts with other functional components commanders (e.g., CFACC, CFLCC, & CSOTF) (Objective C4);
   - Interacts with the CJTF (Objective C5).
2. Assess how the CFMCC and TASWC's command and control relationships, processes and products, defined in the experimental doctrine, are used to:
   - Manage the interactions between the CFMCC and TASWC, in respect to future operations planning (Objective T1)
   - Manage the interactions between the CFMCC and TASWC in respect to current execution and operations, performing dynamic retasking and replanning as required. (Objective T2)
   - Manage their respective internal execution and planning processes (Objective T3)

USAF Objectives
Under Review

- Determine which USAF distinctive capabilities best serve the JFC in a maritime centric anti-access scenario
- Assess the effectiveness of command relationships necessary for Joint service operational interaction in the context of JFEO
- Determine what effect sea basing has on the need for forward land basing
- Examine how operational access enables JFEO
- Explore how sea basing reduces/increases logistic and mobility requirements
- Assess whether more AF support (CAS/INT) is required in the future context of lighter ground forces lacking organic artillery and anti-tank capability
- Examine how forward basing affects persistence
- Explore how much forward basing capability is needed to enable GPA
- Determine the impact of limited space architecture on providing persistent ISR
- Assess the impact of deploying AF assets and carrying out sustained ops across the globe in a maritime centric anti-access environment

STRATCOM Objectives

- Investigate strategies to use USTRATCOM's Global Strike concepts to eliminate enemy WMD capability prior to enemy use for area denial/anti-access strategies.
- Conceptually experiment with offensive-defensive missile defense integration. Determine how USSTRATCOM can contribute to establishing a shield over landing zone by providing on-call global strike capability and integrating strategic missile defense initiatives with regional capabilities.
- Experiment with the concept of fusion of all airborne and national Multi-Int and Multi ISR data to detect, locate, and identify previously undetected mobile targets (SAMS, mobile launchers.

STRATCOM Objectives cont'd

- Experiment with the ISR allocation in a resource constrained environment.
- Examine how the high altitude airship or multiple UAV environment concept might be employed as a means to alleviate ISR persistence shortfall.
- Use the Integrated National Security Space Operating Concept (INSSOC) future architecture for integrated ISR
  - Integrate for tasking, exploitation, and dissemination

USSOCOM SV04 Objectives

- What new SOF capabilities may be required for to conduct Shaping/JAFO operations in the 2015+ timeframe?
- If SOF resources continue to conduct more black operations, will there be an irregular warfare capability gap to be filled by the conventional force?
- What elements of a sea base will support SOF in covert/clandestine OPB operations before main force enters AOR?
- What are the byproducts of ongoing GWOT that enhance/support the sea base?
  - Highly developed ONA
  - Advanced development of infrastructure and EBP/EBO
  - Others?

POA&M POCs

- CTF Planning
  - Gary Ellis JFCOM (P)/Russ Goehring JFCOM (Alt)
- Air & Space Planning
  - LTC Tom Hale Air Staff, USAF (P)/Dan Wise, HQ USAF/XPXC (Alt)
- MEB Planning
  - Rick Hibbert JCDE, MCCDC (P)/Mark Jennings JCDE, MCCDC (Alt)
- Army Planning
  - Terry Johnson TRADOC (P)/ Major Wil Witherspoon TRADOC (Alt)
- Coalition Planning
  - LtCol Babington, Australian LNO to MCCDC, LtCol Mark Maddick, RM, Maritime Warfare Centre
- Tech Support Planning
  - M&S/C2: Andy Jackson TECOM (P)/ Gary Tepera TECOM (Alt)
  - Network Architecture: Maj Velazquez TECOM/Brad Baylor JFCOM
- Navy Planning
  - CAPT Winsor USN (CDR Newton to confirm primary and alternate)
- Spec Ops Planning
  - CDR Drewella USN USSOCOM, SORR-J8/, MSG Andrew Farkas, SOKF
- Red Planning
  - Pat Slattery JFCOM (P)/Matt Caldwell JFCOM (Alt)/Bill Simpson MCWL, Wargaming (Alt)
- National/RCC
  - Scott Lindsey JFCOM (P)/Derek Wheeler JFCOM (Alt)

Working Groups
Title and Lead

- Operational Planning
  - Gary Ellis
  - Components TBD
- Experiment Control
  - Tom Sudbeck/Scott Lindsey
- Tech Support Planning
  - M&S/C2: Andy Jackson TECOM (P)/ Gary Tepera TECOM (Alt)
  - Network Architecture: Maj Velazquez TECOM/Brad Baylor JFCOM
- Analysis
  - Bill Wright
- Training
  - Joe Purser

CTF Planning (10-30-30)

8-10 EDWG
-Concepts/Objectives
-Design
-Planning Organization
-Planning Methodology
-Planning Tools/CIE/ONA
-Training needed/LOP
-ID component planners
Set a planning timeline
-BC functions as SJFHQ at RCC, collaborating with components and:
-- **Review Pol/Mil Plan**
-- **Review HHQ guidance**
-- **Refining ONA**
-- **Developing TSOs / Effects**
-- **IPB and Basic Plans**
-- **Building CIE / Collaboration**

13-15 OP Planning
-Review RCC plans and continue to build RCC ETO
-Review Objectives and Effects
-Build Force Lists and TPFDD
-Finalized AWE staff manning
-Review MC/USN CONOPS from ELS

COA Dev/Selection
COA synch
ETO
Component Plans

3-5 OP Planning
10-11 MPC
-Review and brief RCC ETO
-Verify staff manning And duties
-verify Game Design and CIE

Continue to refine plans

Updated RONA
Refined COA
CCIRs (PIRs & FFIRs)
Branches & Sequels
Refined ETO

NLT 1 Sep CTF stands up, finalizes plan and component plan

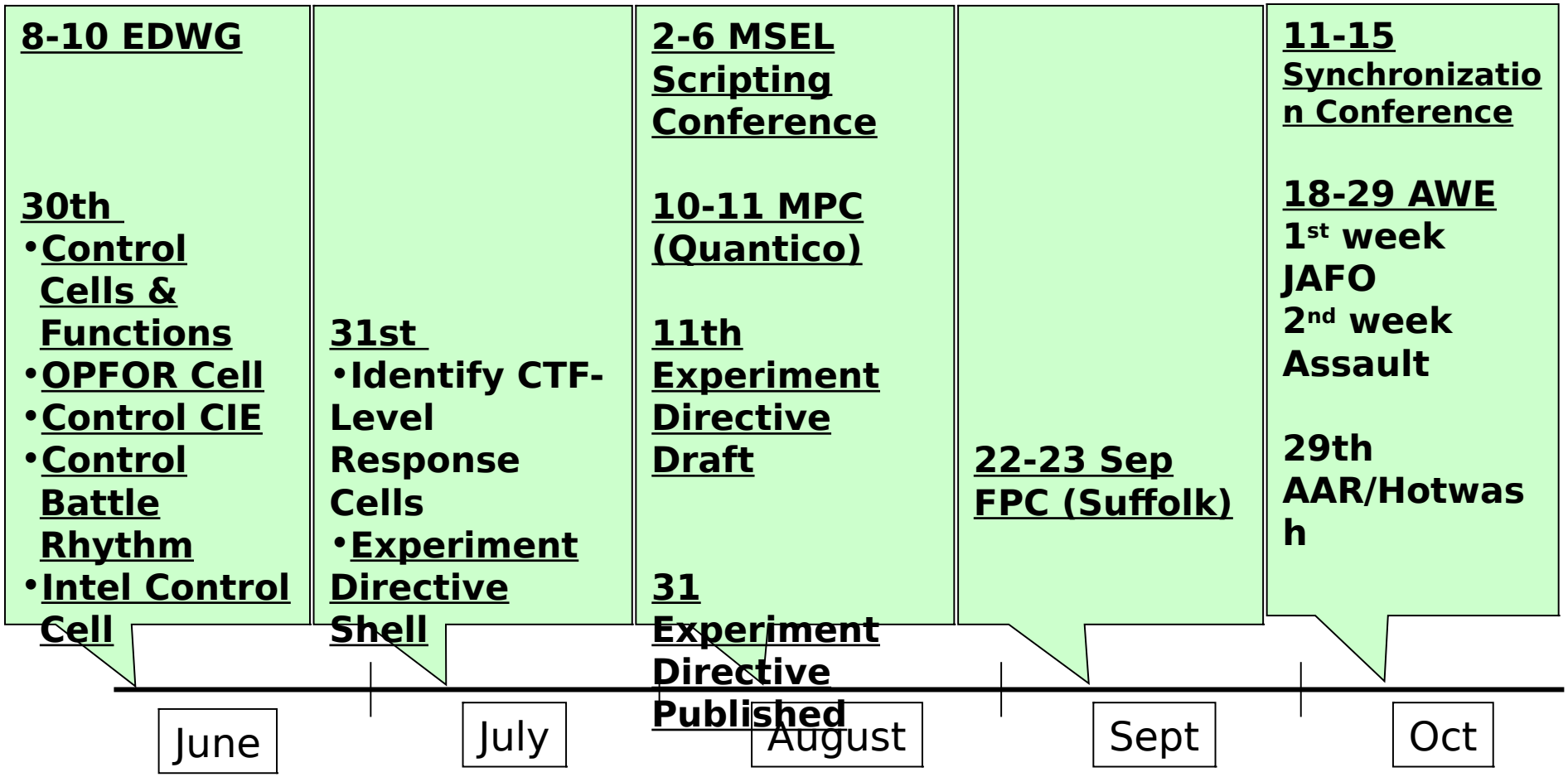
22-23 Sep FPC

11-15 Rehearsal
18-29 The Game
1st week JAFO
2nd week Assault

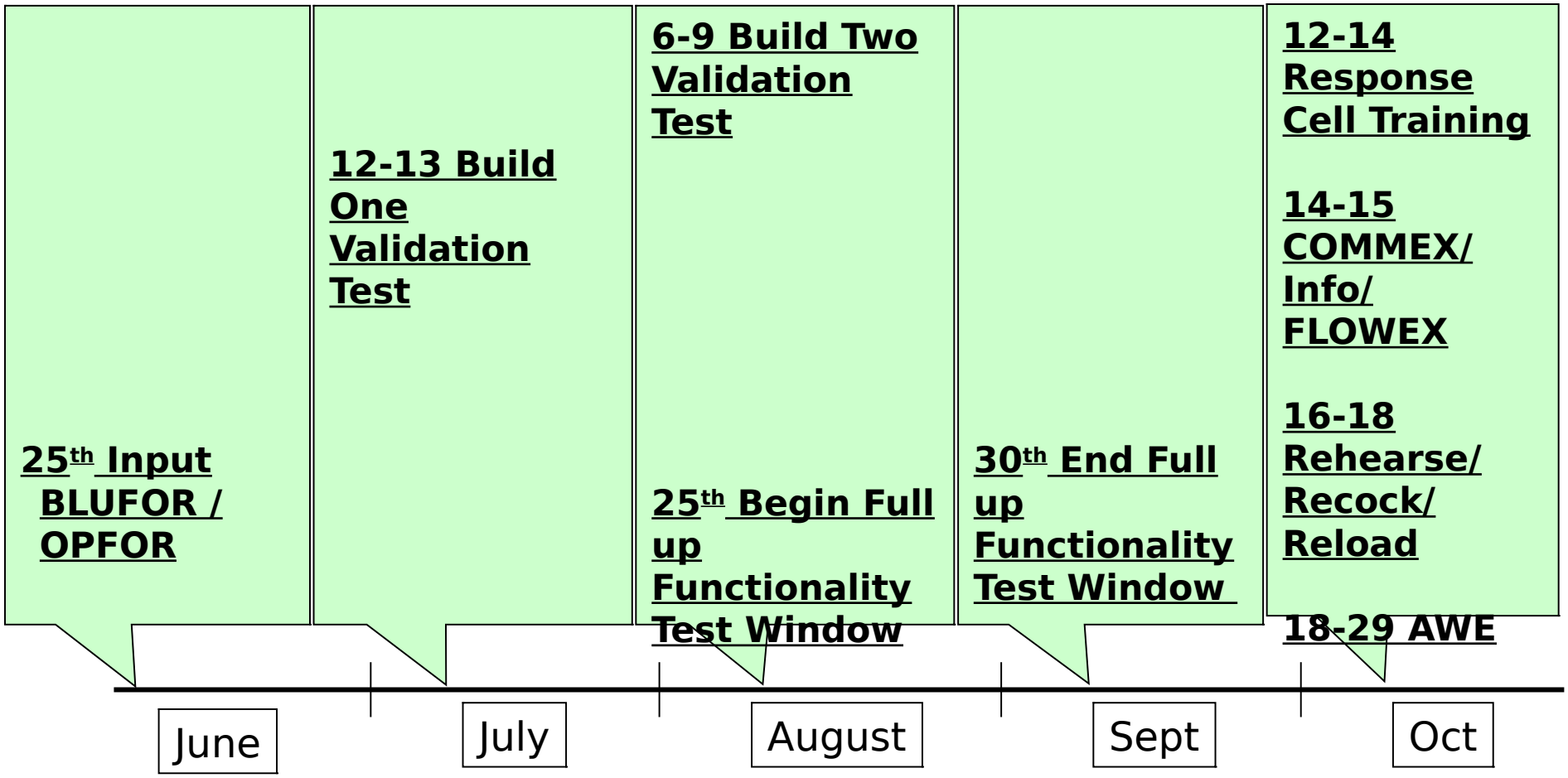
June | July | August | Sept

Effects Based Planning Process
Operational Plans from CTF
Tactical Plans from Components

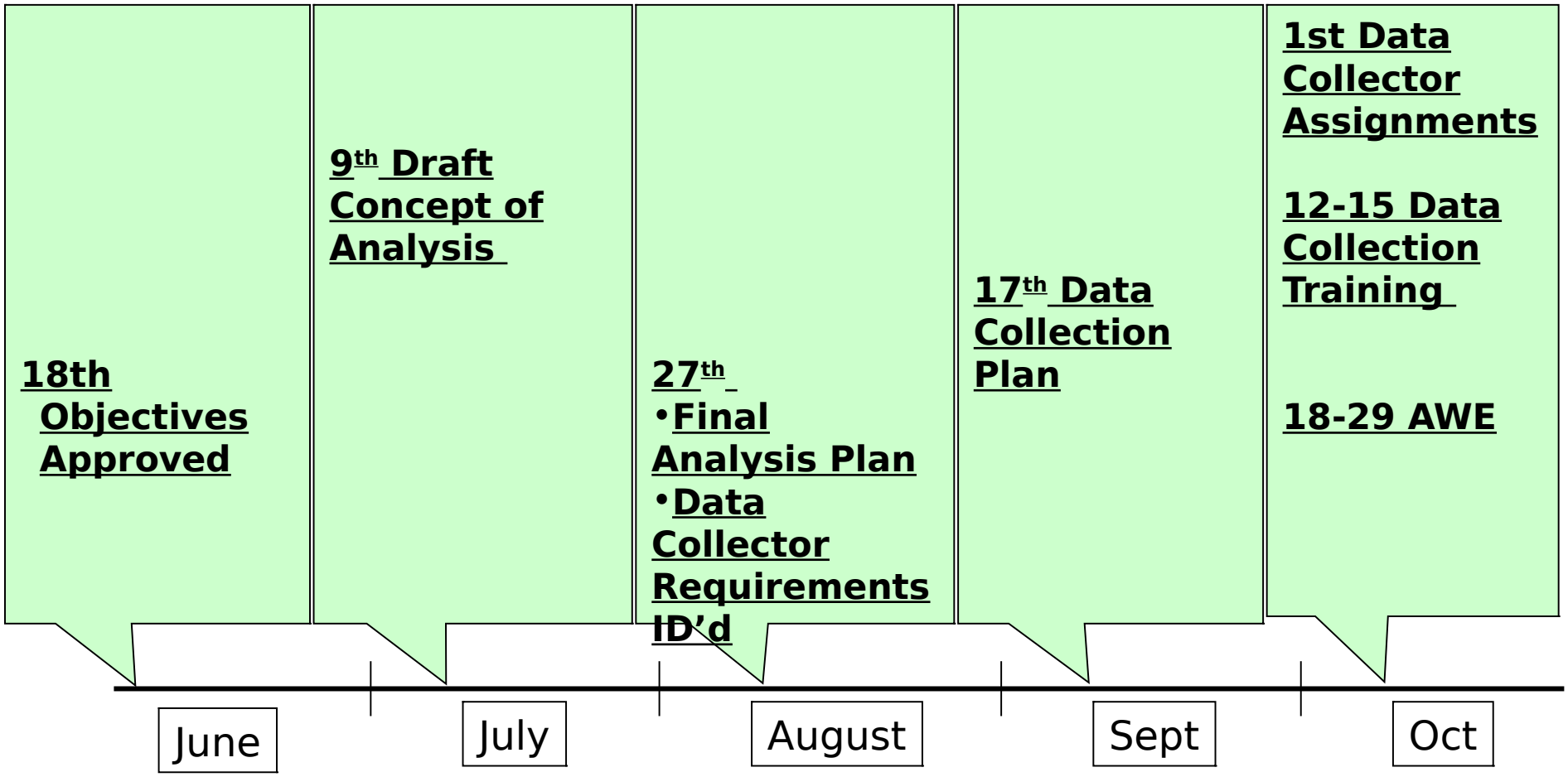
Experiment Control Planning



M&S Planning


25th Input BLUFOR / OPFOR
12-13 Build One Validation Test
6-9 Build Two Validation Test
25th Begin Full up Functionality Test Window
30th End Full up Functionality Test Window
12-14 Response Cell Training
14-15 COMMEX/ Info/ FLOWEX
16-18 Rehearse/ Recock/ Reload
18-29 AWE
June
July
August
Sept
Oct

Analysis Planning



Other

17th
- **Draft Experiment Update Msg**

TBD: Player Cell Training Plan

TBD: Knowledge Management Plan

31st Senior Mentor / FOGO Support Reqts

12-15 Blue Cell / Control Cell Training

18-29 AWE

Information Pending

- MRX Decision
  - CAMPEN/Quantico
  - MEB Staff source
- J9 space limitations / allocation (max 150 personnel)
- N-70 participation as JIC Sea Base authors
- Objectives
  - Other Services Updated
  - Coalition/Interagency
- MTWS capabilities/limitations
  - ISR
  - Aggregate
  - COP generator
- AWE Point Paper
  - Purpose -- Methodology
  - Scenario -- Objectives
  - Background -- Etc.
  - Serves to inform external/interested parties on the conduct of the AWE and act as a common framework for involved commands

Summary

- Presented USMC/JFCOM objectives
- Establish CTF planning requirements
- Develop a comprehensive POA&M
- Identify Issues

Backup Slides

Control Planning

- Experiment Directive
  - Shell MPC
  - Draft FPC
- Identify Control Cell Functions (RFIs, Deployment, FP, etc.)
  - 30 June
- OPFOR Cell 30 June
- Control CIE 30 June
- Control Battle Rhythm 30 June
- Identify Cells 31 July
  - Purpose
  - Functions
  - Links
- Intel control cell 30 June
- MSEL Scripting Conference 2-6 Aug
- Synchronization Conference
  - Week 0
- Hot Wash/AAR
  - Col King

M&S

• 25 June 04	Input BLUFOR/OPFOR	BSC
• 2-7 July	Build 1 Verification Test	BSC
• 12-13 July	Build 1 Validation Test	BSC/ MCCDC/MEB
• 15-16 July	Build 1 Load Test	BSC
• 20-22 July	Build 1 C4I Internal Comms Test	BSC
• 23 July-3August	Build 2 Input	BSC
• 4-5 August	Build 2 Verification Tests	BSC
• 6-9 August	Build 2 Validation Test	BSC/MCCDC/Services
• 13-16 August	Build 2 Load Test	BSC
• 17-18 August	Debug Database	BSC
• 20-23 August	Regression Testing	BSC
• 25 August - 30 Sep	Full up Functionality Test	USJFCOM/MCCDC/ BSC
• 6 October	Terminal Operators Check in	
• 7-9 October	Terminal Operator Training	
• 10 October	Scenario Road to War Briefs	
• 12-14 0ctober	Response Cell Training	
• 14-15 October	Commex/Info/FlowEx	
• 16-18 October	Rehearse/Recock/Reload	

Analysis

- Objectives approved 18 June
- Draft Concept of Analysis 9 July
  - Questions to be answered during AWE
- Draft Analysis Plan 30 July
- Final Analysis Plan 27 Aug
  - Identify Data Collector Requirements
  - Task MSCs for Data Collectors
- Data Collection Plan 17 Sep
- Data Collector Assignment 1 Oct
  - Name and assigned location
- Data Collector Training 4-8 Oct

Training

- Blue Cell / Control 0 week
  - IWS Ongoing
- M&S Training Plan – Gary Tepera

CIE

- Knowledge Mgt – Sarah Murphy date: TBD
  - Tools
  - Procedures
  - Distribution

Mentors / CDT

- VIPs